

SEQUENCE LISTING



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120> ADENO-ASSOCIATED VIRUS-MEDIATED DELIVERY OF ANGIOGENIC FACTORS

130> 0800-0026

140> 09/932,451

141> 2001-08-17

150> 60/226,056

151> 2000-08-17

160> 2

170> PatentIn Ver. 2.0

210> 1

211> 576

212> DNA

213> Artificial Sequence

220>

223> Description of Artificial Sequence: VEGF-165

220>

221> CDS

222> (1)...(576)

400> 1

atg aac ttt ctg ctg tct tgg gtg cat tgg agc ctt gcc ttg ctg ctc	48
Met Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu Leu	
1 5 10 15	

tac ctc cac cat gcc aag tgg tcc cag gct gca ccc atc gca gaa gga	96
Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Phe Met Ala His Gly	
20 25 30	

gga ggg cag aat cat cac gaa gtg gtg aag ttc atg gat gtc tat cag	144
Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp Val Tyr Gln	
35 40 45	

agg agc tac tgc cat cca atc gag acc ctg gtg gac atc ttc cag gag	192
Arg Ser Thr Cys His Pro Ile Gln Thr Leu Val Ser His Thr Ile Gln	

atg cga tgc ggg ggc tgc tgc aat gac gag ggc ctg gag tgt gtg ccc 288
 Met Arg Cys Gly Gly Cys Cys Asn Asp Glu Gly Leu Glu Cys Val Pro
 85 90 95

act gag gag tcc aac atc acc atg cag att atg cgg atc aaa cct cac 336
 Thr Glu Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His
 100 105 110

caa ggc cag cac ata gga gag atg agc ttc cta cag cac aac aaa tgt 384
 Gln Gly Gln His Ile Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys
 115 120 125

gaa tgc aga cca aag aaa gat aga gca aga caa gaa aat ccc tgt ggg 432
 Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Asn Pro Cys Gly
 130 135 140

cct tgc tca gag cgg aga aag cat ttg ttt gta caa gat ccg cag acg 480
 Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr
 145 150 155 160

tgt aaa tgt tcc tgc aaa aac aca gac tcg cgt tgc aag gcg agg cag 528
 Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln
 165 170 175

ctt gag tta aac gaa cgt act tgc aga tgt gac aag ccg agg cgg tga 576
 Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg
 180 185 190

<210> 2

<211> 191

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: VEGF-165

<400> 2

Met Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu Leu
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Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala Leu Gly
 20 25 30

Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp Val Tyr Gln
 35 40 45

Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu
 50 55 60

Thr Glu Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His
100 105 110

Gln Gly Gln His Ile Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys
115 120 125

Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Asn Pro Cys Gly
130 135 140

Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr
145 150 155 160

Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln
165 170 175

Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg
180 185 190